



## LUMINAIRE:

ROADWAY CLASSIFICATION	MAXIMUM WATTAGE	MINIMUM LUMENS	REQUIRED PHOTO-METRIC DISTRIBUTION
MAJOR/COLLECTOR (50' to 115' Curb-to-Curb)	165 W	11,750	TYPE III, MEDIUM
COLLECTOR (36' to 40' Curb-to-Curb)	115 W	6,000	TYPE II, MEDIUM
RESIDENTIAL (36' or Less Curb-to-Curb)	55 W	2,800	TYPE II, MEDIUM

LEDs USED IN THE LUMINAIRE SHALL BE MANUFACTURED BY CREE, NICHIA, OR PHILLIPS.

NOMINAL OPERATING VOLTAGE: LUMINAIRES SHALL OPERATE AT 120V OR 240V, DEPENDING ON LOCATION, AND SHALL OPERATE CORRECTLY OVER A VOLTAGE RANGE BETWEEN 95 VAC AND 305 VAC.

FOR ADDITIONAL REQUIREMENTS, SEE SECTION 307 OF THE CHULA VISTA STANDARD SPECIAL PROVISIONS.

## PHOTO ELECTRIC CONTROL:

FISHER-PIERCE 7790B OR APPROVED EQUAL.

## LAMP:

55, 115, OR 165 MAXIMUM WATTAGE LIGHT EMITTING DIODES (LEDs), AS FURTHER SPECIFIED IN SECTION 307 OF THE CHULA VISTA STANDARD SPECIAL PROVISIONS.

## STANDARD:

SEE SECTION 307 OF THE CHULA VISTA STANDARD SPECIAL PROVISIONS.

TWO-INCH STANDARD GALVANIZED STEEL OR ALUMINUM PIPE BRACKET FOR LUMINAIRE. HANDLE TO FACE STREET.

## WIRING:

MINIMUM #8 THW STRANDED COPPER TO SERVICE POINT. NEUTRAL LEG OF LIGHTING CONDUCTORS GROUNDED IN BASE OF STANDARD. HOT LEG OF LIGHTING CONDUCTORS FUSED WITH 10-AMPERE MIDGET FERRULE-TYPE FUSE IN PLUG CONNECTOR, IN BASE OF STANDARD. SIZE CONDUCTORS FOR MAXIMUM THREE PERCENT VOLTAGE DROP IN ALL STREET LIGHT CIRCUITS.

#10 THW STRANDED COPPER TO BE USED IN STANDARD.

## GENERAL NOTES:

LUMINAIRE AND PHOTO CELL SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.

STREET LIGHT PLANS SHALL SHOW WIRING FROM SERVICE POINT TO STREET LIGHTS, AND SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.

## FOUNDATION & GROUNDING:

SEE CVCS 7.

REFER TO MANUFACTURER'S DETAIL FOR ANCHOR BOLT SPACING.

## ADAPTIVE CONTROLS:

ALL LUMINAIRES/ FIXTURES SHALL BE "ADAPTIVE CONTROL READY", AS SPECIFIED IN SECTION 307 OF THE CHULA VISTA STANDARD SPECIAL PROVISIONS.

Revised:	Original approval date: 7-2-80
CVM 9-6-01	Redrawn By: ARR Date: 7-26-95
CVM 11-28-12	
	CITY ENGINEER Date:

CITY OF CHULA VISTA  
PUBLIC WORKS DEPARTMENT

STREET LIGHTING  
STANDARD

CVCS  
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